

1970

## Newsletter- December 1970

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### Recommended Citation

Shipley, Carol, "Newsletter- December 1970" (1970). *Newsletter- Office of Research and Development*. 8.  
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# Newsletter

OFFICE OF RESEARCH AND DEVELOPMENT  
NORTHEASTERN ILLINOIS STATE COLLEGE



Volume 2, Number 2

December, 1970

Carol Shipley

## 1. FOREIGN POLICY FILMS

A series of eight television programs focusing on "Problem Areas of American Foreign Policy" have been co-produced by the Department of State and the Nebraska Educational Television Council for Higher Education (NETCHE). Although the series will first be broadcast to colleges and universities throughout Nebraska for use in political science and international affairs departments, it will also be available to other educational institutions and television stations outside Nebraska. Each one-hour program will emphasize a major area of U. S. foreign policy with analysis by a senior State Department official and discussion of student questions. Topics to be covered include: Africa, the Middle East, disarmament, foreign aid, China, East-West relations, Latin America, and the U. S. Information Agency.

## 2. AEC SUMMER RESEARCH AWARDS

Research participation at Atomic Energy Commission laboratories will be supported for up to three months next summer. Faculty members will receive a monthly stipend equivalent to regular academic salary plus a dependency allowance. The program will allow faculty to use laboratory facilities frequently available only at advanced nuclear research installations. They will also associate with a broad base of scientists of exceptional ability. New knowledge and techniques acquired during the summer experience can then be applied to research and teaching on campus. Studies may be undertaken in biology, chemistry, ecological sciences, physics, computer sciences and various interdisciplinary areas. The application deadline is December 15. More information is available from the Office of Research and Development.

## 3. KODALY APPROACH TRIED IN MASSACHUSETTS

A pedagogical method of musical instruction developed in Hungary by Zoltan Kodaly is being adapted for use in the United States at the Kodaly Musical Training Institute in Wellesley, Massachusetts under a Ford Foundation Grant. The program's purpose is to develop musically literate amateurs, not to identify budding professional musicians. Believing that folk music should be the starting point of musical education because it reflects the cadence and rhythm of a language and culture, Kodaly structured his curriculum from the simplest forms to quite sophisticated works. Peter Erdei, a Hungarian music teacher on the institute's staff compiled forty-five simple American folk songs for a first-grade curriculum and teacher

3. KODALY APPROACH  
TRIED IN MASS.(continued) trainees at the institute began experimenting with the method in a nearby public school. American children show much enthusiasm with the method. Before the first year is over they are reading and writing simple musical notation. Use of the voice with singing games is a primary mode of instruction. The institute is now developing a full sequence of instruction through the sixth grade bringing in musical history, various styles and periods, and the classics.

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4. NEW SCIENCE TEACHER  
TRAINING PROGRAM Students planning careers as high school science teachers often do not reach this decision until late in their college years. A "crash" program of science courses is then necessary. A National Science Foundation grant to the University of Iowa will try to remedy the situation. Educators will identify outstanding high school seniors, recruit them into careers of science teaching, and then guide their science education throughout their years in college. Under a five-year program, students will concentrate on science beginning with their freshman year. Special activities include a summer institute with experienced high school science teachers and science education graduate students between their junior and senior years, a continuing seminar program, and science education guidance.

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5. DISSERTATION SUPPORT IN  
RECREATION AND LEISURE To encourage research that will develop either theoretical or applied knowledge relevant to the use of leisure time, the Committee on Support of Dissertation Research in Recreation and Leisure is inviting applications for grant support. Dissertation research support in any of the disciplines of the social and behavioral sciences as well as interdisciplinary areas may be supported. Various approaches such as historical, experimental, and social survey, among others, are possible. Maximum awards of \$6,000 per year will be made. Proposals must be submitted to the Committee by January 15, 1971. More information may be obtained from the Office of Research and Development.

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6. OCEAN EXPLORATION SUPPORTED As lead agency for the International Decade of Ocean Exploration program, the National Science Foundation is supporting new and imaginative approaches for oceanographic research. The entire Decade program will emphasize increased scientific understanding of oceanic processes and their physical, chemical, biological and geophysical interactions. During the first year, the United States effort will be focused on Environmental Quality, Environmental Forecasting, and Seabed Assessment. Early discussion of preliminary plans is encouraged by NSF. More information is available from the Office of Research and Development.

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7. HEAD START TESTS AT ETS Educational Testing Service has established a Head Start Test Collection to provide information about assessment instruments for those engaged in research or project direction involving young children. The facilities of a newly established ERIC Clearinghouse on Tests, Measurement and Evaluation at ETS, the ERIC Clearinghouse on Early Childhood Education at the University of Illinois and the ETS Test Collection will all be utilized. For more information write: Head Start Test Collection, Educational Testing Service, Princeton, New Jersey 08540.

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8. NRC RESEARCH ASSOCIATESHIP PROGRAMS Postdoctoral and Senior Postdoctoral awards for basic research and advanced training at Federal laboratories are being offered through the National Research Council. Awards are made on an annual basis with minimum stipends of \$13,000. While the physical sciences and engineering are emphasized, several laboratories support research and study in biology and the behavioral sciences. More complete information about these awards is posted on the Research and Development bulletin board located on the north side of the D building.

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9. MENTAL HEALTH STUDIES SUPPORTED BY STATE Research and Development activities to advance knowledge in the causes of mental illness and mental retardation and to foster the development of improved methods for treatment and prevention of these afflictions are now being considered for grant support by the Extramural Research and Development Grants Program of the Illinois Department of Mental Health. Grants may be requested for projects of up to three years' duration. Proposals for training or service projects may not be submitted under this program. Applications must be received by January 15, 1971. Complete application materials and guidelines are available in the Office of Research and Development or may be obtained from Albert J. Glass, M. D., Acting Director, Extramural Research and Development Grants Program, State of Illinois, Department of Mental Health, 160 North La Salle Street, Chicago, Illinois 60601.

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10. ACHIEVEMENT BOOSTED WITH COMPUTER-ASSISTED INSTRUCTION Two years ago Riverside School in Waterford, Michigan was considered a "typical" rural elementary school. Today Riverside's students have composite scores near or at the 99th percentile in both mathematics and attitude toward school when compared with similar schools in the tri-county Wayne-Oakland-Macomb region. When compared with all schools in the state, mathematics and attitude scores were above the 85th and 90th percentiles respectively. The improvement began when Riverside was selected to test an experimental program in computer-assisted instruction (CAI). More than 1,200 lessons in various curriculum areas have been developed and tested for presentation under

10. ACHIEVEMENT BOOSTED WITH COMPUTER-ASSISTED INSTRUCTION computer control as part of the CAI project called INDICOM for Individualized Communication.

Especially dramatic gains have shown up at the elementary level according to project director Ron Arnold. During 1969 field testing, CAI students in English (Harcourt Brace Jovanovich's "CAI-Elementary English" program) registered an achievement gain more than double that of non-CAI control students. The achievement of CAI students in mathematics was nearly double that of their non-CAI counterparts. Arnold also pointed out that documentation of gains is based on extensive testing administered and interpreted by INDICOM as well as the State of Michigan Department of Education and by university personnel. For further information, contact: Joseph B. Mullen, Information Services, Project INDICOM, 1325 Crescent Lake Road, Pontiac, Michigan 48054.

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11. CONSERVATION FELLOWSHIPS Applications for fellowships in conservation for doctoral and post-doctoral study are now being accepted by the National Wildlife Federation. Study areas to be funded are: fish and wildlife management, range management, forestry, conservation education, marine resources, environmental pollution control, soil conservation, park administration and management, outdoor recreation, public relations and journalism (with conservation emphasis), and petroleum related problems in any of the above subject areas. Applicants must be U. S. citizens, and a need for financial assistance must be shown. Up to \$4,000 may be requested. An application kit is available in the Office of Research and Development or write: Thomas L. Kimball, Executive Director, National Wildlife Federation, 1412 Sixteenth Street, N. W., Washington, D. C. 20036.
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12. NEW RECRUITMENT METHOD FOR URBAN TEACHERS In seeking improved means of identifying and training teachers for urban schools, a group of veteran educators have banded together as "The Teachers, Inc." Efforts will be made to attract liberal arts graduates, former Peace Corps volunteers, and other young people into the field of urban teaching. By grouping trainees with veteran teachers, some of the unattractive aspects of more traditional teacher training will be bypassed in favor of on-the-scene training and close collaboration with other trainees and experienced teachers. These advantages, coupled with the fact that trainees will live in the local urban neighborhoods, are also designed to stimulate community interest in education matters. Currently The Teachers is being backed by a \$150,000 grant from the Ford Foundation.
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13. SCIENTIST EXCHANGE PROGRAM WITH FRANCE Under the U. S.-France Exchange of Scientists Program administered by the National Science Foundation, six U. S. scientists may spend time in France for research and study. Exchange awards are made for periods of from five to 15 months for study or research

13. SCIENTIST EXCHANGE PROGRAM  
WITH FRANCE (continued)

in the mathematical, physical, chemical, and engineering sciences, and in the biological sciences exclusive of the medical sciences. Recent doctoral scientists who are interested in the program must apply by December 10. Further information may be obtained from the Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550.

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14. SYMPOSIUM IN  
EARLY CHILDHOOD EDUCATION

An outstanding list of speakers will be featured at the first annual Hyman Blumberg Memorial Symposium on Research in Early Childhood Education to be held at The Johns Hopkins University on February 1-3, 1971. Participants include Dr. Carl Bereiter who will speak on "An Academic Preschool for Disadvantaged Children: Review of Findings" and Dr. David P. Weikart, founder of the Perry Preschool Project in the Ypsilanti (Michigan) Public Schools. All interested persons are invited to attend without charge or preregistration. Further details including housing information may be obtained from Julian C. Stanley, Center for Social Organization of Schools, The Johns Hopkins University, Baltimore, Maryland 21218.

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15. SOUTHEAST ASIA FELLOWSHIPS

The Committee on International Exchange of Persons (Senior Fulbright-Hays Program) is offering fellowships to established scholars for projects dealing with Southeast Asia. Candidates should have several years of professional experience and should have published original work or possess special abilities which qualify them to carry out a major undertaking. Students working toward advanced degrees are not eligible. Projects should be concerned with social, economic, political, cultural, scientific, and educational problems of Southeast Asia or the Southwest Pacific areas and should be distinct from projects already undertaken by other organizations such as the United Nations. Fellowships cover a period of from four to eight months and provide air fare and a monthly allowance of \$400. Applications may be obtained from: Committee on International Exchange of Persons (Senior Fulbright-Hays Program), 2101 Constitution Avenue, Washington, D. C. 20418. The deadline is February 1, 1971.

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16. GRANTS FOR  
"HUMANISTIC" EDUCATION

Recognizing that learning has an affective or emotional dimension directly related to intellectual growth, educators are attempting to develop "humanistic" or "confluent" approaches to education. Ford Foundation grants have been made to the Laboratory for Confluent Education at the University of California, Santa Barbara and the Center for Humanistic Education at the University of Massachusetts. Both grants support the development of "humanistic" curricula and teaching methods at all levels from elementary to university. Teacher-training programs at the masters and doctoral levels will

16. GRANTS FOR "HUMANISTIC" EDUCATION (continued) prepare pilot groups of teachers to promote the introduction of the new approach in schools. The Santa Barbara Laboratory will modify conventional curricula by incorporating the affective element in such diverse areas as reading instruction and university level electrical engineering. The Massachusetts center will devise new curricula to engage students' feelings in the learning process. To expose strong and weak behavior traits, students will be required to teach under stressful conditions as part of the teacher training program.

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17. SENIOR FULBRIGHT-HAYS AWARDS STILL OPEN Word has been received that a number of lectureships and a few research awards under the Fulbright-Hays Program are still lacking candidates. Basic eligibility requirements are U. S. citizenship and college teaching experience. Grants cover roundtrip travel for the grantee and normal living costs for the grantee and family while in residence abroad. A list of the remaining openings is available from the Office of Research and Development.

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18. NIMH SUMMER RESEARCH Researchers may apply to the National Institute of Mental Health for small grant support of studies in behavioral, biological or medical sciences relevant to mental health for summer 1971 up until February 1, 1971. No deadline dates have been set for submission of applications with starting dates other than June, July, or August. Small grants are limited to a maximum of \$5,000 for direct costs of research plus appropriate indirect costs and can cover periods up to one year. Grant support may be used to develop and test new techniques, to analyze data previously collected, or to carry out small-scale exploratory and pilot studies. For more information contact: Dr. Louis Wienckowski, Director, Division of Extramural Research Programs, NIMH, 5454 Wisconsin Avenue, Chevy Chase, Md. 20015. Standard Public Health Service research grant application kits to be used for this small grant program may also be obtained from the Office of Research and Development.

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